

SECRET

DPD-5198-59
31 July 1959

Dear John:

I am returning herewith two (2) copies each of your Purchase Order Nos. 55626E, 55636E, 55511E and 55571E approved.

The approval of No. 55511E is made with the understanding that such approval is in confirmation of previous verbal approval and this Purchase Order has now been terminated.

Regards,

SIGNED

Dan

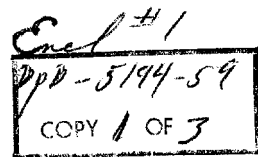
Distribution:

Orig - [] (CONVAIR) w/cys 2&3 of Encls 1,2,3 & 4 to DPD-5194-59
cc - HL-4646, T&P w/cy 1 of DPD-5194-59 and cy #1 of Encls 1,2,3,4.
cc - Chrono, RI

DPD-DD/P: [] :mw (31-7-59)

DOCUMENT NO. _____
NO CHANGE IN CLASS. ☒
☐ DECLASSIFIED
CLASS. CHANGED TO: TS S C
NEXT REVIEW DATE: 2011
AUTH: HR 10-2
DATE: 4 JUN 1981 REVIEWER: 064540

SECRET

SECRET

22 July 1959

Memo to File:

25X1A From:

Subject: Purchase Order No. 55656E dated 19 May 1959
To: Service Engineering, Inc., Fort Worth, Texas
for three (3) Motor Scooters

25X1A Subject purchase order was placed for three motor scooters of the same type and kind as presently being used at this plant. The need for these scooters was determined by to provide rapid transportation between the various points within the Convair compound where essential work on this program is being performed. Mr. John Parengosky approved the requirement on the basis of uncommitted plant rearrangement funds.

The delivered price of the three scooters was \$2,780.52, which sum was paid out of these uncommitted plant rearrangement funds. This price is \$50.00 under standard unit price normally quoted for these scooters. Convair has purchased a number of these specific type, kind and make for use on other programs and has therefore, earned this commercial or fleet price.

Convair has adopted the Doodle-Bug scooters as a standardized item so as to secure the benefits of:

- a. A single bank of repair parts.
- b. Savings gained through efficiencies developed by repair and maintenance personnel.
- c. Savings resulting from operator efficiency due to there being but one type of vehicle to be driven.

It is recognized that this procurement while under \$25,000, is in excess of \$1,000 and may be considered by some as "industrial facilities" within the meaning of the subcontracts clause.

So as to comply with the \$1,000 "Industrial Facilities" clause, if need be, and to record the use of a portion of the uncommitted plant rearrangement funds, this memo has been prepared.

25X1A

RER:ar

**SECRET**

CONVA Approved for Release 2002/07/23 : CIA-RDP64B00187A000700160039-4
A DIVISION OF GENERAL DYNAMICS CORPORATION
(FORT WORTH)

PURCHASE ORDER

PAGE 1 OF 1

NOTE
THIS NUMBER MUST
SHOW ON ALL PACK-
ING LISTS, INVOICES
AND COMMUNICATIONS.

TO: Service Engineering, Inc.
3030 West Pafford
Fort Worth 9, Texas

STATINTL

VENDOR NO.	MODEL	ACCOUNT NO. 135-479	PURCHASE ORDER DATE 6-19-59
USE CODE	REQUISITION DATE	WORK ORDER NO. 11-85-011	CONTRACT NO.
MATERIAL NO.	CASH TERMS 1% 10 Days	FREIGHT ALLOWANCE <input type="checkbox"/> NONE <input type="checkbox"/> SEE BELOW	

DELIVER ALL MATERIALS F.O.B. Buyer's Plant

SHIP VIA: Seller's Option

OR P.P. SEE BELOW

NOTE: PARCEL POST, EXPRESS SHIPMENTS, MAIL AND IN-
VOICES SHOULD BE ADDRESSED TO FORT WORTH, TEXAS.
ALL MOTOR FREIGHT, LCL AND CARLOAD SHIPMENTS ARE
TO BE MADE TO BENBROOK, TEXAS.

BUYER

MARK ALL SHIPPING CONTAINERS
AND PACKING SHEETS

ATT:

GROUP

ITEM NO.	QUANTITY	UNIT	ITEM DESCRIPTION	PRICE UNIT	UNIT PRICE	TOTAL PRICE
1	3	Ea	Scooter Motor, 2 passenger, 4 wheel, color - S.W. Tulip, 12 volt ignition system, equipped with horn, head lights, tail lights, starter and generator combination, 7 quart gas tank and standard air filter, tires 18 x 5.50-8. Confirming Telephone Order 6-19-59.	ea	\$926.84	

SCHEDULED DELIVERY AT BUYERS' PLANT	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
	1959						all (29th)						

INSPECTION: All material above is subject to inspection at

*NOTE SHIPPING INSTRUCTIONS: IF PERMITTED BY POSTAL REGULATIONS, SHIP TO FORT WORTH, TEXAS, VIA PARCEL POST NOT INSURED. IF PARCEL POST NOT PERMITTED, SHIP TO BENBROOK, TEXAS ON COLLECT COMMERCIAL BILL OF LADING. ROUTE VIA DO NOT USE OTHER ROUTING WITHOUT AUTHORITY FROM THIS OFFICE. RAIL EXPRESS, AIR EXPRESS, AND AIR FREIGHT SHIPMENTS WHEN AUTHORIZED, MUST BE MADE AT RE-LEASED VALUATION AT LOWEST RATE.

"ACCEPTANCE: This Purchase Order (in-
cluding continued page(s) if indicated above)
constitutes Buyer's offer to Seller, and be-
comes a binding contract on the terms and
conditions set forth herein, including those
on the reverse side hereof, when it is ac-
cepted by the Seller either by acknowl-
edgment or the commencement of performance
hereof. No revisions of this order or any of
the terms and conditions thereof shall be
valid unless in writing and signed by an
authorized representative of Buyer; and no
condition stated by Seller in accepting or
acknowledging this order shall be binding
upon Buyer if in conflict with, inconsistent
with, or in addition to the terms and con-
ditions contained herein unless expressly ac-
cepted in writing by Buyer."

SIGNED

VENDOR

BY:

APR

BY:

STATINTL

GENERAL DYNAMICS CORPORATION
CONVAIR DIVISION
(FORT WORTH)

Approved For Release 2002/07/23 : CIA-RDP64B00187A000700160039-4

CONVA Approved for Release 2002/07/23 : CIA-RDP64B00187A000700160039-4
A DIVISION OF GENERAL DYNAMICS CORPORATION
(FORT WORTH)

PURCHASE ORDER

NOTE
THIS NUMBER MUST
SHOW ON ALL PACK-
ING LISTS, INVOICES
AND COMMUNICATIONS.

Nº 55626

PAGE 1 OF

TO: Arcweld Sales Company
Liberty Street Extension
Grove City, Pa.

STATINTL

VENDOR NO.	MODEL	ACCOUNT NO.	PURCHASE ORDER DATE
USE CODE	REQUISITION DATE	135-175	5-6-59
MATERIAL NO.	CASH TERMS	WORK ORDER NO.	CONTRACT NO.
391X	Net 30 Days	14-59-622	
		FREIGHT ALLOWANCE	
		<input type="checkbox"/> NONE	<input type="checkbox"/> SEE BELOW

DELIVER ALL MATERIALS F.O.B. Grove City, Pa.

SHIP VIA: Commercial Bill of Lading, Collect OR P.P. SEE BELOW

MARK ALL SHIPPING CONTAINERS AND PACKING SHEETS ATT:

NOTE: PARCEL POST, EXPRESS SHIPMENTS, MAIL AND INVOICES SHOULD BE ADDRESSED TO FORT WORTH, TEXAS.
ALL MOTOR FREIGHT, LCL AND CARLOAD SHIPMENTS ARE TO BE MADE TO BENBROOK, TEXAS.

BUYER
g1
GROUP 391

ITEM NO.	QUANTITY	UNIT	ITEM DESCRIPTION	PRICE UNIT	UNIT PRICE	TOTAL PRICE
1	1	Ea	Rotary Furnace, Arcweld, 6 Unit with Kanthal windings for maximum temperature of 2200°F and with Model #293-TCB Wheelco Capacitance Controller. Confirming our phone order of 5-6-59. Address all Invoices to the attention of [redacted]	Ea	7,025.00	STATINTL

SCHEDULED DELIVERY AT BUYERS' PLANT	YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
	1959						10th						

INSPECTION: All material above is subject to inspection at

INSP.
OR
MISC.
COPY

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"ACCEPTANCE: This Purchase Order (including continued page(s) if indicated above) constitutes Buyer's offer to Seller, and becomes a binding contract on the terms and conditions set forth herein, including those on the reverse side hereof, when it is accepted by the Seller either by acknowledgment or the commencement of performance hereof. No revisions of this order or any of the terms and conditions thereof shall be valid unless in writing and signed by an authorized representative of Buyer; and no condition stated by Seller in accepting or acknowledging this order shall be binding upon Buyer if in conflict with, inconsistent with, or in addition to the terms and conditions contained herein unless expressly accepted in writing by Buyer."

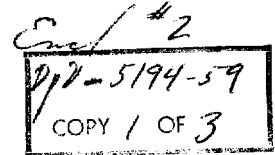
GENERAL DYNAMICS CORPORATION
CONVAIR DIVISION
(FORT WORTH)

Approved For Release 2002/07/23 : CIA-RDP64B00187A000700160039-4

STATINTL

BY _____ DATE _____
APPROVED BY _____

PURCH. AGT.



14 July 1959

STATINTL

Memo to File:

From:

Subject: Purchase Order No. 55626E dated 6 May 1959
To: Arcweld Sales Co., Grove City, Pa. for
Rotary Furnace

Subject purchase order was placed for one (1) Arcweld Rotary Furnace of 6 units with Kanthal windings for maximum temperature of 2200° and with a Model #293-TCB Wheelco Capaciline Controller. The price of \$7,025.00 was paid without additional funds being required.

The item was purchased from the only firm currently producing a 6 position furnace of this special nature. There are certain claimed proprietary aspects incorporated in Arcweld's design. The price paid is no higher than prices charged like customers for like items, it being a nationally advertised price.

This furnace is being used for high temperature tensile, bearing, and shear tests on base metal, welded, brazed and fastened materials. The employment of this six position unit will, in test engineering's opinion, reduce test time by 75% and manpower by 60%.

Although Convair normally charges this type of item to "Engineering Other Charges," it may be believed by some that this furnace is a "facility" item within the meaning of the subcontract clause and requires specific approval since its value exceeds \$1,000.00.

For the above reason and so as to record the expenditure of previously allotted funds in this manner, this memo has been prepared.

STATINTL



STATINTL

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Next 4 Page(s) In Document Exempt

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CPTF LETTER CONTRACT
DESIGNATED PURCHASE
ORDER NO. FW55511E

2. ORDER

An order is hereby placed with SELLER for the performance of the task set forth as Phase I in Exhibit "A" designated PF-PT-COLSW dated May 22, 1959 including 1) and 2) of Enclosure (A) to Exhibit "A" all of which is attached hereto and hereby made a part hereof.

3. AUTHORIZATION

Except as otherwise expressly provided to the contrary herein, SELLER is directed, upon acceptance of this order, to proceed immediately to procure the necessary materials to commence the performance of services called for herein and to pursue such work with all diligence to the end that the services may be performed at the earliest practicable date.

4. CLAUSES INCORPORATED BY REFERENCE

(a) All applicable clauses (other than any termination clause and other than any clauses set forth in Armed Services Procurement Regulation Section IX) now required by Federal Law, Executive Order, and Government Procurement Regulations to be included in contracts for supplies or services of the kind herein described are hereby incorporated herein by reference, provided, however, that wherever in said clauses reference is made to "Government", it shall be construed to mean "BUYER" according to its applicability.

(b) Reference in any of the applicable clauses referred to above to contract costs or adjustments in fixed fee, if any, and delivery schedules to the extent such are not specifically included in this Letter Contract, shall be inapplicable, except that any adjustments in amounts finally payable to the "SELLER", or in time of performance required by such clauses, shall be made either at the time of settlement of SELLER's terminations claims or shall be taken into account at the time of execution of the Definitive Contract contemplated herein.

5. NEGOTIATIONS

By acceptance hereof, SELLER undertakes without delay to enter into negotiations with BUYER looking to the execution of a Definitive CPTF Contract which will include all applicable clauses then required by Federal Law, Executive Order and applicable Government Procurement Regulations to be included in contracts for services of the kind herein described. The Definitive Contract will also contain a detailed delivery schedule, estimated cost, fixed fee, if any, terms and conditions agreed to by the parties which may or may not be at variance with the provisions of this order. It is expected that such Definitive Contract will be placed prior to September 7, 1959, and will be a cost-plus-a-fixed fee type contract. SELLER's final cost estimate, which is to be submitted by August 14, 1959, will be the basis for negotiating the estimated cost and fixed fee applicable to the Definitive Contract.

CFF LETTER CONTRACT
DESIGNATED PURCHASE
ORDER NO. FW55511E

STATINTL

6. AUTHORITY TO OBLIGATE FUNDS

The SELLER is not authorized to expend or obligate in furtherance of its performance hereunder, more than in the aggregate.

7. ASSIGNMENT

No assignment of this Purchase Order or any monies due or to become due hereunder shall be made without the prior written consent of BUYER.

8. SUBCONTRACTS

(a) Without limiting the generality of paragraph 4 above, the provisions of the contract clause set forth in paragraph 7-203.8 entitled "Subcontracts" of the Armed Services Procurement Regulation in effect on the date hereof are hereby incorporated into this Letter Contract by reference, with the same force and effect as through herein set forth in full and with the word "SELLER" being substituted in lieu of the word "Contractor" and further, the words " and the BUYER" being inserted in lieu of the words "Contracting Officer" in each instance of appearance.

(b) No subcontract, regardless of amount, shall be made by the SELLER with any other party for furnishing any of the completed or substantially completed articles, spare parts, or work herein contracted for or wherein any additional Government facilities are required, without the written approval of the BUYER as to source.

9. CHANGES

Buyer may at any time by written order, direct the omission of work or services covered by this purchase order and issue additional instructions or require additional work or services hereunder. Changes made in accordance with this paragraph will be reflected in the superseding Definitive Contract.

10. TERMINATION

This purchase order may be terminated in accordance with the terms set forth in Exhibit "B", hereto, entitled "TERMINATION of LETTER CONTRACT", and in no event shall the liability of BUYER to SELLER under this contract exceed the amount set forth in paragraph 6 above, plus any additional sum or sums which may be added by amendment hereto in writing.

11. PROPERTY

With reference to property, by acceptance of this order, SELLER, agrees that its rights hereunder and that its obligation to BUYER, under this Purchase Order are identical to the rights and obligations of a prime contractor under the provisions of paragraph 13-503 of the Armed Services Procurement Regulation, incorporated herein by reference, except that reference therein to adjustment of pricing and delivery schedule shall be inapplicable and, in lieu thereof, any adjustments in amounts finally payable to SELLER or time of performance required by the terms of such clause shall be made either at the time of settlement of SELLER's termination claim, if any, or taken into account at the time of execution of the Definitive Contract.

CPTF LETTER CONTRACT
DESIGNATED PURCHASE
ORDER NO. FW 55511E

12. COST REIMBURSEMENT

(a) For purpose of determining the amounts payable to the SELLER under this Letter Contract, allowable items of cost will be determined in accordance with Part 2, Section XV of the Armed Services Procurement Regulation in effect as of the date of this Letter Contract. Pending the execution of a Definitive Contract, Buyer will currently reimburse the SELLER, upon submission of vouchers in satisfactory form, for all proper expenditures hereunder to the extent of seventy percent (70%) of each voucher submitted under this Letter Contract. Such vouchers shall be supported by such reasonable evidence of payment by the SELLER as may be required by the BUYER.

(b) Without limiting the generality of the provisions of sub-paragraph (a) above, it is understood and agreed that the premium portion of overtime wage payments shall be allowable item of cost hereunder only if and to the extent that the overtime work for which such payments are made shall have been expressly authorized in writing by the BUYER.

13. NOTICE AND ASSISTANCE, FILING OF PATENT APPLICATIONS, AUTHORIZATION AND CONSENT, AND REPORTING OF ROYALTIES

By acceptance of this order, SELLER agrees that SELLER's rights hereunder and that SELLER's obligations to BUYER under this Letter Contract are identical to the rights and obligations of a prime contractor under the provisions of paragraphs 9-102.2, 9-104, and 9-106 of the Armed Services Procurement Regulation. The aforementioned paragraphs of the Armed Services Procurement Regulation are hereby incorporated herein by reference.

14. COPYRIGHTS AND PATENT RIGHTS

By acceptance of this order and pending negotiation of the Definitive Contract, SELLER agrees that SELLER's obligations to BUYER under this Letter Contract with regard to patent rights and copyrights are identical to the obligations of a prime contractor to the Government under the provisions of paragraphs 9-203.1 and 9-203.2 of the Armed Services Procurement Regulation, revision of 17 March 1958, and paragraph 9-107.1 of the said Regulation.

15. EXECUTION


SELLER's acceptance of this order will be indicated by affixing its signature to one (1) copy hereof and returning the executed copy to the BUYER. Such acceptance will constitute this order a contract as of the date first written above on the terms set forth herein.

CPTT LETTER CONTRACT
DESIGNATED PURCHASE
ORDER NO. FW55511E

In witness thereof, the parties hereto have executed this Letter Contract designated Purchase Order No. FW55511E as of the day and year first above written.

GENERAL DYNAMICS CORPORATION

STATINTL


Manager of Material
CONVAIR (Fort Worth) Fort Worth, Texas

STATINTL

ACKNOWLEDGED BY:



By: _____

Title: _____

Date: _____

ATTEST _____

STATINTL

Approved For Release 2002/07/23 : CIA-RDP64B00187A000700160039-4

Next 2 Page(s) In Document Exempt

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A DIVISION OF GENERAL DYNAMICS CORPORATION
(FORT WORTH)

PURCHASE ORDER

NOTE
THIS NUMBER MUST
SHOW ON ALL PACK-
ING LISTS, INVOICES
AND COMMUNICATIONS.

PAGE 1 OF 3

TO: Minneapolis Honeywell Regulator Company
2600 Ridgway Road
Minneapolis, Minnesota

MODEL	ACCOUNT NO. 135-175	PURCHASE ORDER DATE 4-17-59
REQUISITION DATE	WORK ORDER NO. 11-85-501	CONTRACT NO.
CASH TERMS	FREIGHT ALLOWANCE <input type="checkbox"/> NONE <input type="checkbox"/> SEE BELOW	
BUYER		GROUP

DELIVER ALL MATERIALS F.O.B. See Contract
SHIP VIA: See Contract OR P.P. SEE BELOW
MARK ALL SHIPPING CONTAINERS AND PACKING SHEETS ATT: Not Applicable

NOTE: PARCEL POST, EXPRESS SHIPMENTS, MAIL AND INVOICES SHOULD BE ADDRESSED TO FORT WORTH, TEXAS.
ALL MOTOR FREIGHT, LCL AND CARLOAD SHIPMENTS ARE TO BE MADE TO BENBROOK, TEXAS.

ITEM NO.	QUANTITY	UNIT	ITEM DESCRIPTION	PRICE UNIT	UNIT PRICE	TOTAL PRICE
1.			This Letter Contract, herein after referred to as "Purchase Order", made this 17 April 1959, by and between Minneapolis-Honeywell Regulator Company, with the principal place of business located at 2600 Ridgway Road, Minneapolis, Minnesota herein after called "Seller" and General Dynamics Corporation, a Delaware Corporation having an office (Convair Division) at Fort Worth, Texas, herein after called "Buyer" for the furnishing to the "Buyer" by the "Seller" of the supplies and services set forth in Exhibit "A" attached hereto and made a part hereof.			
YEAR JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC.						
INSPECTION: All material above is subject to inspection at						

INSP.
OR
MISC.
COPY

*NOTE SHIPPING INSTRUCTIONS: IF PERMITTED BY POSTAL REGULATIONS, SHIP TO FORT WORTH, TEXAS, VIA PARCEL POST NOT INSURED. IF PARCEL POST NOT PERMITTED, SHIP TO BENBROOK, TEXAS ON COLLECT COMMERCIAL BILL OF LADING. ROUTE VIA DO NOT USE OTHER ROUTING WITHOUT AUTHORITY FROM THIS OFFICE. RAIL EXPRESS, AIR EXPRESS, AND AIR FREIGHT SHIPMENTS WHEN AUTHORIZED, MUST BE MADE AT RE-LEASED VALUATION AT LOWEST RATE.

"ACCEPTANCE: This Purchase Order (in-
cluding continued page(s) if indicated above)
constitutes Buyer's offer to Seller, and be-
comes a binding contract on the terms and
conditions set forth herein, including those
on the reverse side hereof, when it is ac-
cepted by the Seller either by acknowledg-
ment or the commencement of performance
hereof. No revisions of this order or any of
the terms and conditions thereof shall be
valid unless in writing and signed by an
authorized representative of Buyer; and no
condition stated by Seller in accepting or
acknowledging this order shall be binding
upon Buyer if in conflict with, inconsistent
with, or in addition to the terms and con-
ditions contained herein unless expressly ac-
cepted in writing by Buyer."

STATINTL

SIGNED _____ VENDOR

BY _____
APPROVED _____
BY _____

GENERAL DYNAMICS CORPORATION
CONVAIR DIVISION
(FORT WORTH)

Approved For Release 2002/07/23 : CIA-RDP64B00187A000700160039-4

BUYER

PURCH. AGT.

2. Authorization

Except as otherwise expressly provided to the contrary herein the Seller is directed upon its acceptance of this order to proceed immediately to provide the services and information set forth in paragraph (A) of Exhibit "A" attached hereto and hereby made a part hereof, and to pursue such work with the diligence to the end that the services may be performed at the earliest practicable date.

3. Clauses incorporated by reference

Incorporated herein by this reference are the printed terms and conditions on the reverse side of the title page of this Purchase Order except the Article entitled "Changes" and the Article entitled "Terminations" which two clauses are hereby specifically deleted and in lieu therefor are substituted the clauses entitled "Changes" and "Terminations" included below.

4. Negotiations

By the Sellers acceptance hereof, it undertakes to enter into negotiations with Buyer looking to the execution of a definitive fixed price-price redeterminable type contract, which will include all applicable clauses then required by Federal Law, Executive Order and applicable Government Procurement Regulations to be included in contracts for supplies or services of the kind herein described. The definitive contract will also contain detailed delivery schedule and prices, terms and conditions as agreed by the parties which may or may not be at variance with the provisions of this purchase order. It is expected that such definitive contract will be executed prior to 15 July 1959 and will be a fixed price-price redeterminable type contract. In this connection, Seller shall submit a formal proposal for a definitive contract by 30 June 1959. Such proposal shall include Sellers firm cost estimate supported by a breakdown of cost for the negotiation of the target price to be established for the superseding definitive contract.

5. Authority to obligate funds

STATINTL

The Seller is not authorized to expand or obligate in furtherance of its performance hereunder, more than in the aggregate.

6. Subcontracts

No subcontract shall be made by the Seller with any other party for furnishing any of the completed or substantially completed articles, spare parts, or work, herein contracted for, without the written approval of the Buyer as to source.

CONVAIR, A Division of General Dynamics Corp.
Fort Worth, Texas

Fixed Price
Price Redeterminable
Letter Contract FW 55571E

7. Changes

Buyer may, at any time by written order, direct the omission of work or services covered by this purchase order and issue additional instructions or require additional work or services hereunder. Changes made in accordance with this paragraph will be reflected in the superseding definitive contract.

8. Termination

This purchase order may be terminated in accordance with the terms set forth in Exhibit "B" attached hereto, entitled "Termination Clause for Letter Contracts", and in no event shall the liability of Buyer to Seller under this purchase order exceed the amount set forth in paragraph 5 above, plus any additional sum or sums which may be added by amendment hereto in writing.

9. Approval of Data

Review of, or approval of designs, drawings, programs, or other data by the Buyer in no way relieves Seller of design responsibilities.

10. Execution

Sellers acceptance of this order will be indicated by affixing its signature to two (2) copies thereof and returning one (1) of the executed copies to the Buyer. The remaining copy to be retained by the Seller for its file.

In witness whereof the parties hereto have executed this Letter Contract designated as Purchase Order Number _____ as of the day and year here above written.

GENERAL DYNAMICS CORPORATION

STATINTL

By: _____

CONVAIR(Fort Worth)Fort Worth, Texas

ACKNOWLEDGED BY:

MINNEAPOLIS HONEYWELL REGULATOR COMPANY

By: _____

Title: _____

Date: _____

ATTEST: _____

STATEMENT OF WORK

In accordance with the provisions of this Purchase Order and as set forth hereafter, the Seller shall:

- (A) Conduct studies, bench test, design, develop and manufacture an Automatic Flight Control System to meet performance specifications furnished by Buyer. The System is to utilize to the fullest extent practicable existing engineering and hardware components available to the Seller. In performance thereof the Seller shall:
 - (1) Provide the necessary engineering services at Buyer's plant to insure establishment by not later than June 1, 1959, of a mutually agreed to firm System and Component specifications.
 - (2) Provide to Buyer by not later than June 1, 1959:
 - (a) Reliability goals (to be expressed in terms of mean time between random failures)
 - (i) Component reliability.
 - (ii) Non-redundant channel reliability.
 - (iii) System reliability with non-redundant channels
 - (iv) Redundant channel reliability
 - (v) System reliability with redundant channel.
 - (b) Information to the maximum extent possible on system, components, hardware, etc., as follows:
 - (i) Breakdown of channels into components
 - (ii) Type of components, (i.e. electronic, electro-mechanical etc.)
 - (iii) Status of component types.
 - (iv) Detailed switching configuration
 - (v) Component listing with individual weight bogey and weight status of selected components

STATEMENT OF WORK (Cont'd.)

- (vi) For each major package (i.e. control panel, calibrator, rate gyro, accelerometer package and surface actuators).
 - (aa) Space and Weight. Schematic of proposed packages.
 - (bb) Cooling requirements. Schematic of actuating servo showing heat input points and how heat sink is to be provided.
 - (cc) Confirmation of vibration requirements and acceleration levels.
 - (dd) Mounting provisions
 - (ee) Availability and test status of tentatively selected components
 - (ff) Estimated power requirements
 - (gg) Signal levels determined
 - (hh) Collaboration in functional design of longitudinal augmentation system
 - (ii) Collaboration in final specification
 - (jj) Testing philosophy
 - (i) Safety of flight test for equipment
 - (ii) Reliability
 - (iii) Pre-flight ground tests
 - (iv) Plan for Sellers System tests
 - (kk) Maintenance philosophy
 - (i) Accessibility
 - (ii) In-flight trouble shooting
 - (iii) Ground Support Equipment
 - (iv) Ground test requirements - time, personnel, tests, etc.

STATEMENT OF WORK (Cont'd.)

- (B) Manufacture for use on bench test at Seller's plant the following:
- (1) One (1) complete non-flyable system and one (1) set of four (4) non-flyable Tandem hydraulic cylinders.
- (C) Manufacture and deliver to Buyer the following:
- (1) One (1) complete non-flyable system and one (1) set of four (4) non-flyable tandem hydraulic cylinders for use in conjunction with analog computer simulation.
 - (2) One (1) complete non-flyable system and one (1) set of four non-flyable tandem hydraulic cylinders for use in conjunction with ground test stand.
 - (3) Fifteen (15) complete flyable systems and fifteen (15) sets of four (4) each flyable tandem hydraulic cylinders.
- (D) Provide Engineering Liaison at Buyer's plant for twelve (12) months commencing June 1, 1959.
- (E) Provide minimum engineering drawings and data as required by Buyer.
- (F) Buyer will require delivery of items called for herein as follows:

<u>Item</u>	<u>Reference</u>	<u>Description</u>	<u>Schedule</u>
1.	(B)	Seller's Bench Test System and Cylinders	Dec. 15, 1959
2.	(C) (1)	Buyer's Analog Computing System Cylinders	Jan. 15, 1960
3.	(C) (2)	Buyer's Ground Test System and Cylinders	Feb. 1, 1960
4.	(C) (3)	One (1) Production System and Cylinders	Aug. 1960
		One (1) Production System and Cylinders	Sept. 1960
		One (1) Production System and Cylinders	Oct. 1960
		One (1) Production System and Cylinders	Nov. 1960
		Two (2) Production Systems and Cylinders	Dec. 1960
		Three (3) Production Systems & Cylinders	Jan. 1961
		Three (3) Production Systems and Cylinders	Feb. 1961
		Three (3) Production Systems & Cylinders	Mar. 1961

STATINTL

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